

FIG. 1

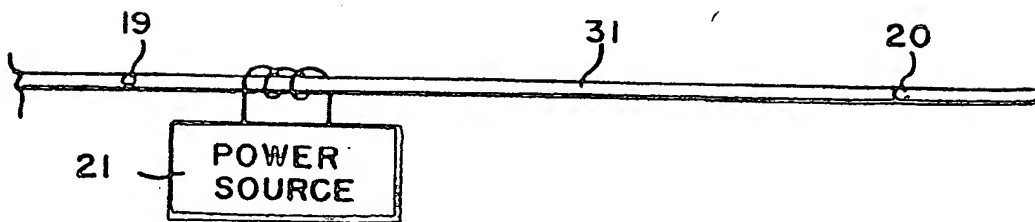
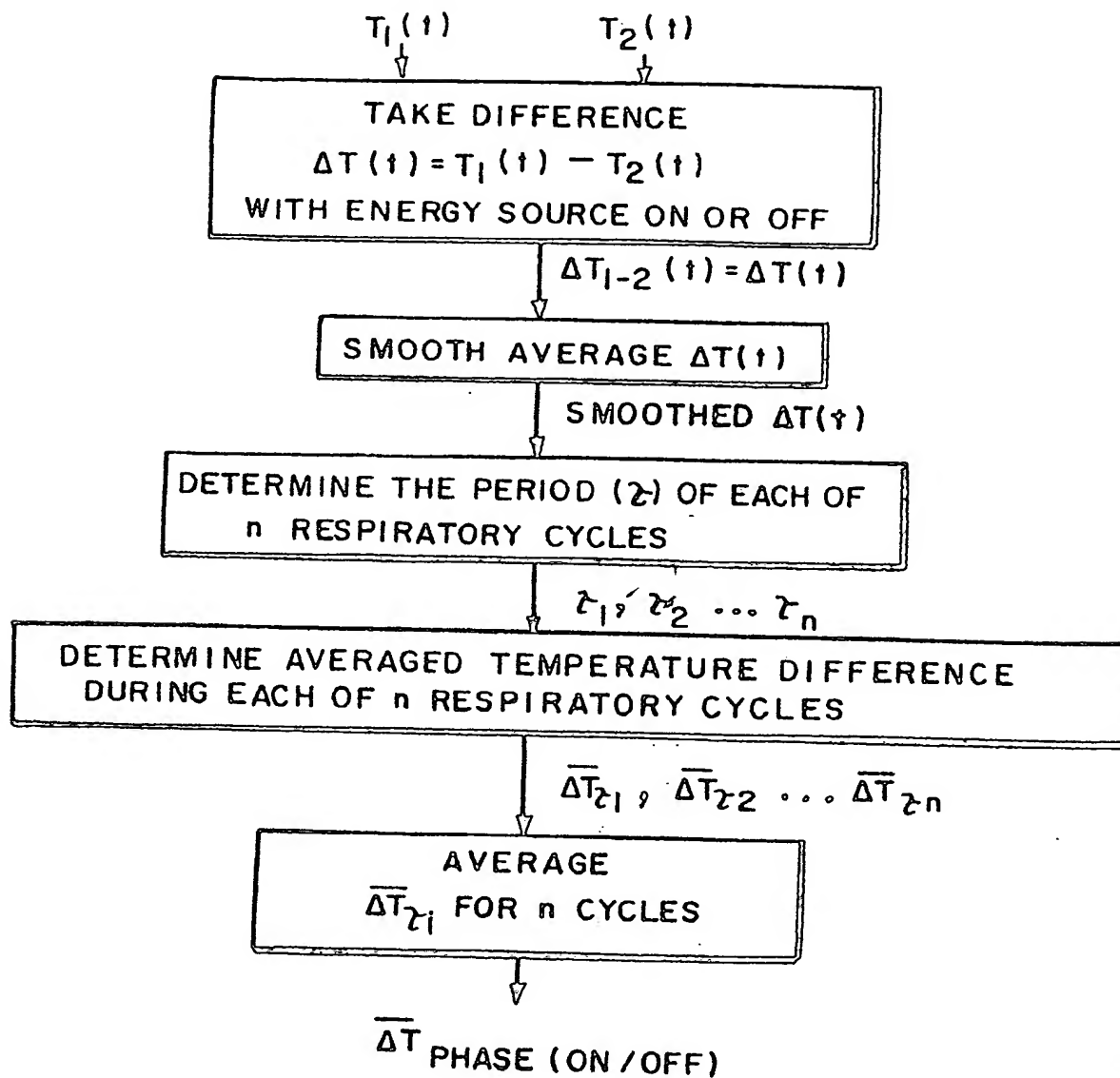


FIG. 2



PROCESS I

FIG.3

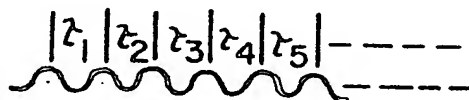
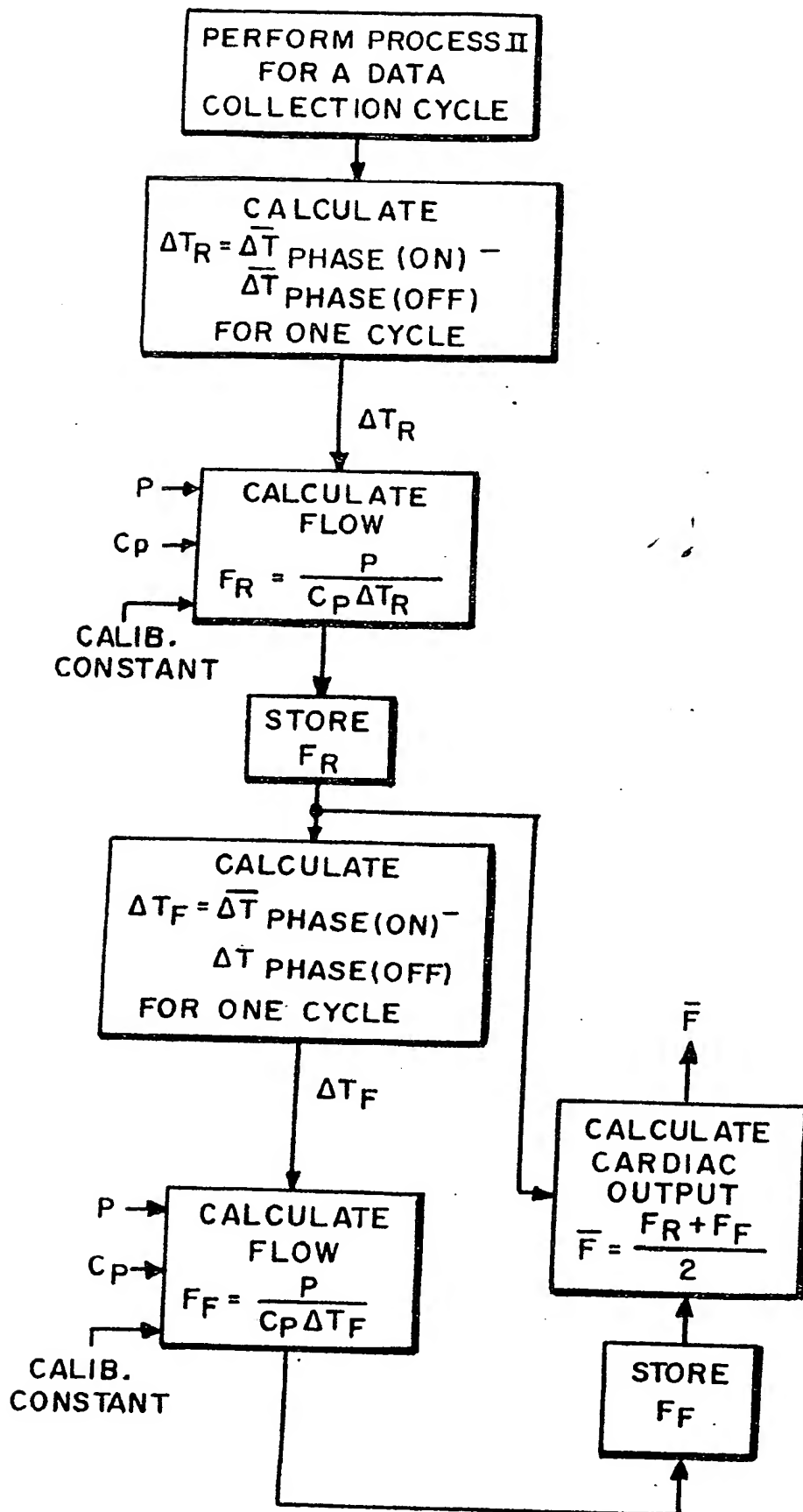
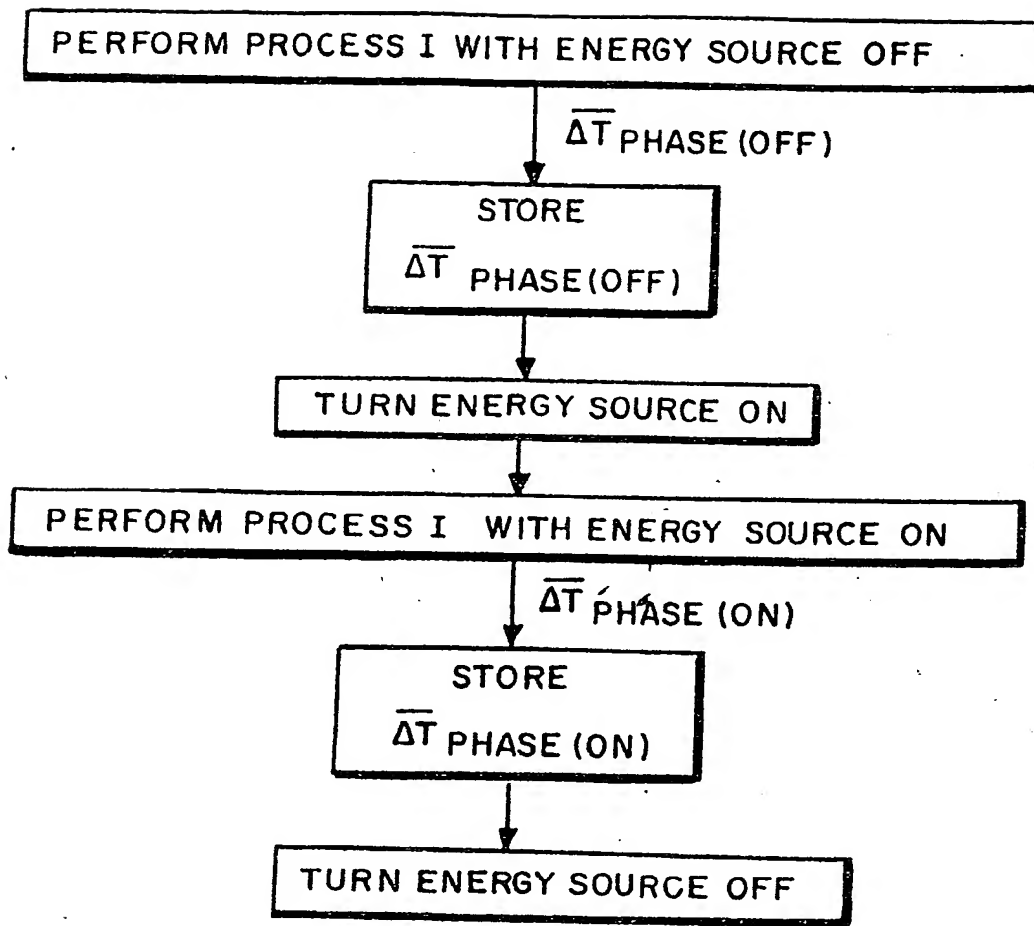


FIG.3A



PROCESS III

FIG. 5



PROCESS II

FIG. 4

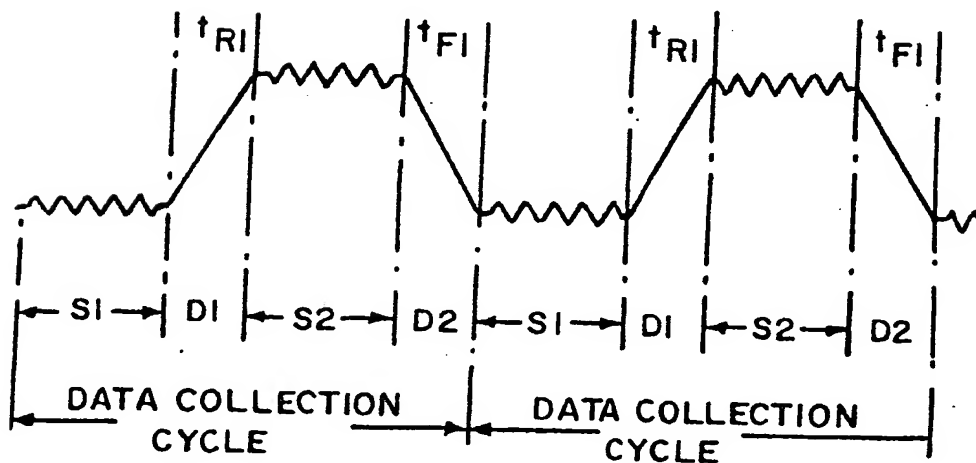


FIG. 6

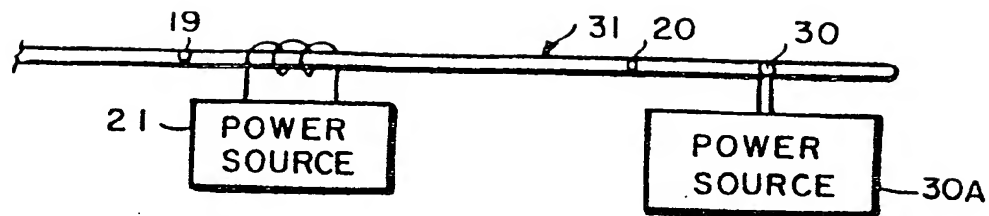
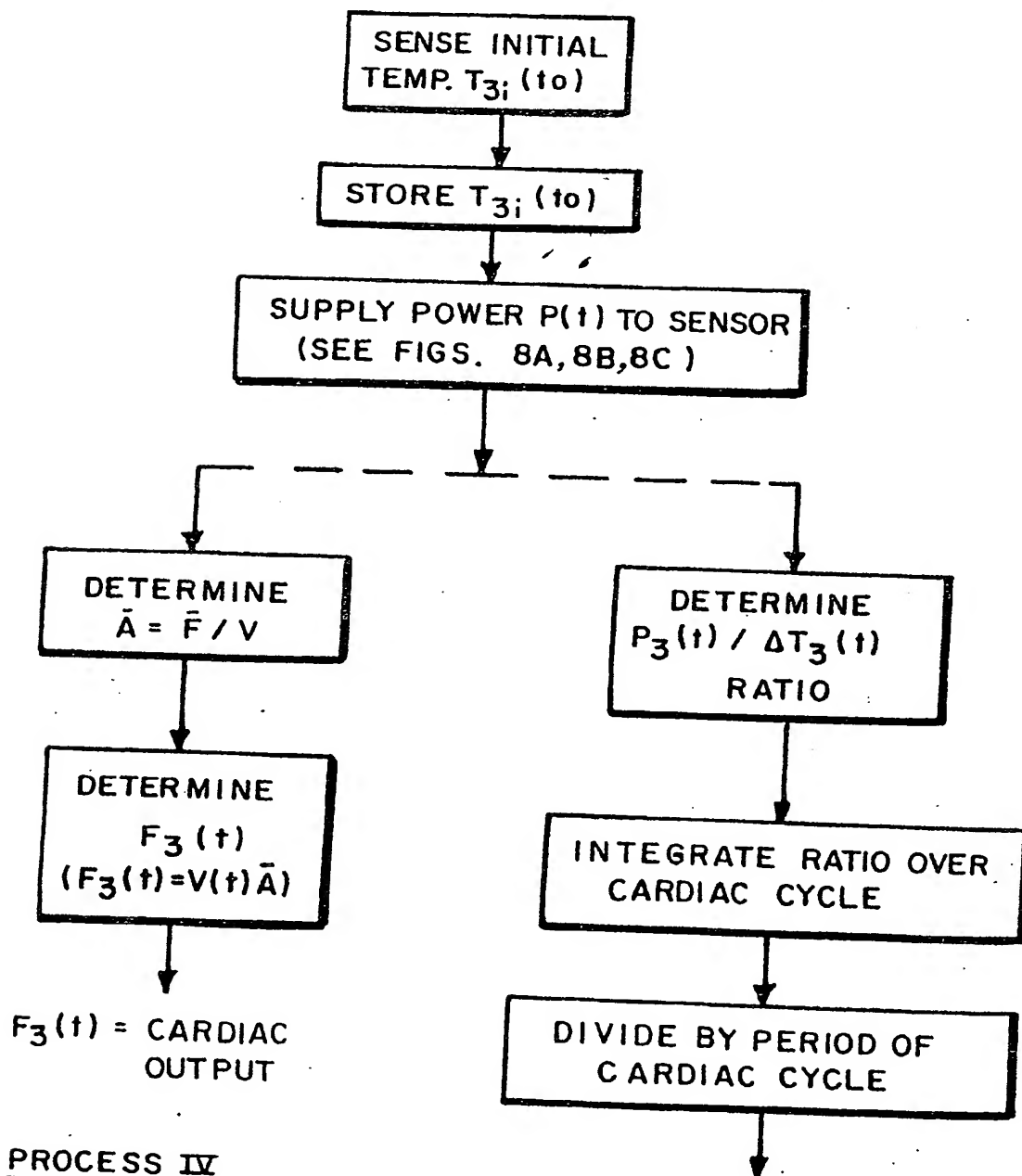


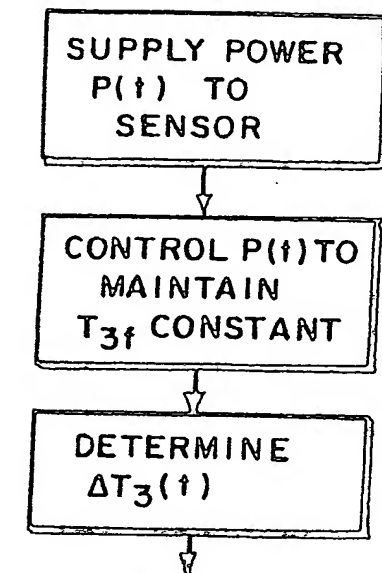
FIG. 7A



PROCESS IV

FIG. 7B

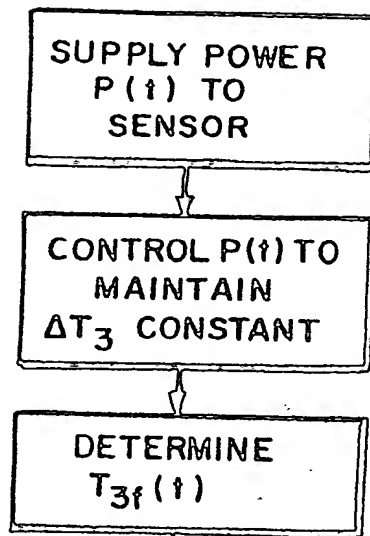
$$F_3 \propto \frac{1}{T} \int P_3(t) / \Delta T_3(t) dt = \text{CARDIAC OUTPUT}$$



$$\Delta T_3(t) = T_{3f} - T_{3i}(t)$$

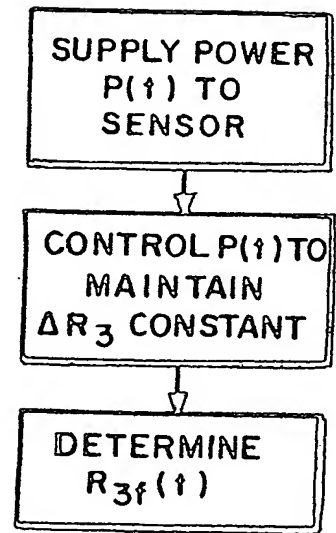
$$= \Delta T_3 + T_{3i}(t_0) - T_{3i}(t)$$

FIG. 8A



$$T_{3f}(t) = \Delta T_3 + T_{3i}(t)$$

FIG. 8B



$$R_{3f}(t) = \Delta R_3 + R_{3i}(t)$$

FIG. 8C

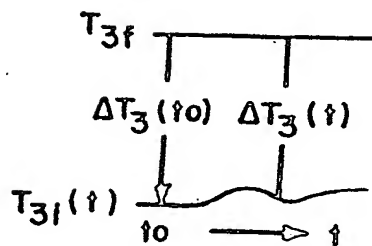


FIG. 9A

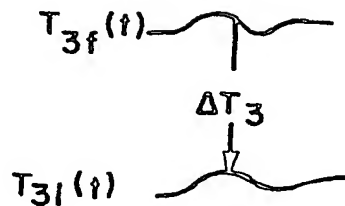


FIG. 9B

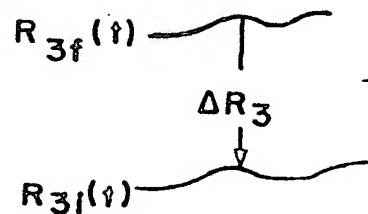


FIG. 9C

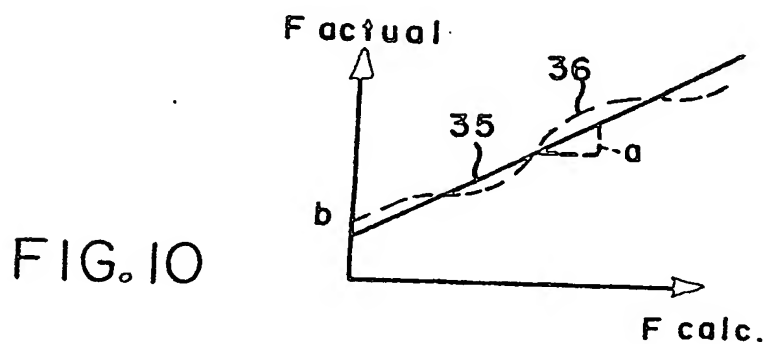


FIG. 10

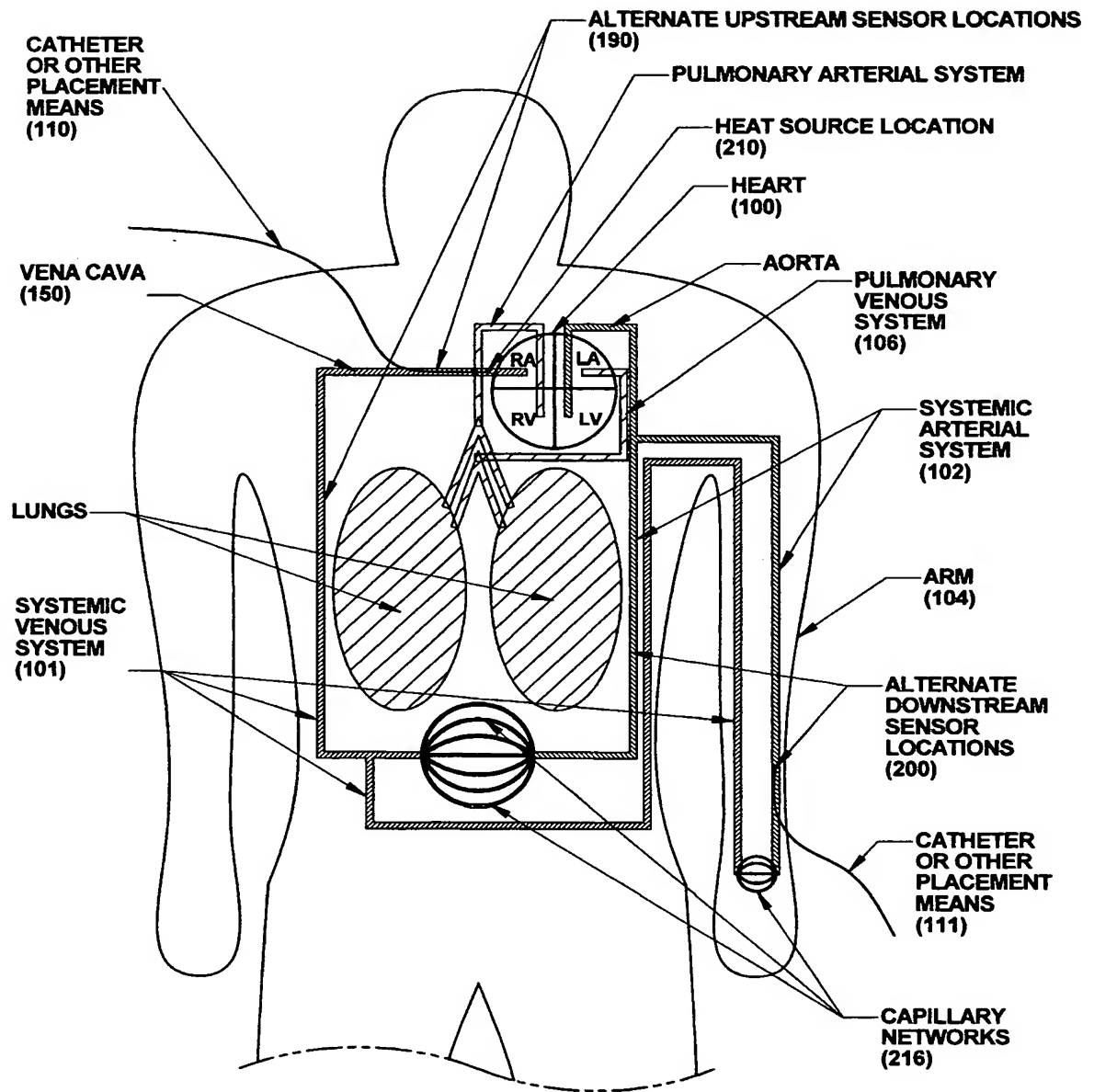


FIGURE 11